

ABSTRACT OF THE DISCLOSURE

It is desired that the cache hit rate of access from a host (or an application) not be affected by an access pattern of another host (or an application). To achieve this, segment information setting means sets information in a segment information management table based on a setting command from a host (11) or a host (12). Input/output management means identifies to which access group an input/output request from the host (11) or (12) corresponds based on the setting in the segment information management table and the link status of the LRU links corresponding to the cache segments managed in a cache management table and, considering the division sizes allocated to the cache segments, controls discarding data from the cache memory for each cache segment.